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부근 용접 외국문헌 소개

MT : Materials Transactions (http://www.jstage.jst.go.jp/browse/matertrans)
ISIJ : ISIJ International (http://www.jstage.jst.go.jp/browse/isijinternational)
STWJ : Science and Technology of Welding & Joining (http://www.ingentaconnect.com/content/maney/stwj)
MMI : Metals and Materials International (http://www.springerlink.com/content/1598-9623)
MSEA : Materials Science and Engineering A (http://www.sciencedirect.com/science/journal/09215093)

--- Arc Welding ---

2. S. SARAFAN, F. M. ALEK GHAINI, AND E. RAHIMI ; Effects of Welding Direction and Position on Susceptibility to Weld Metal Transverse Cracking in Welding High-Strength Pipeline Steel with Cellulosic Electrodes, WJ 91-6(2012), p182-185
3. M. ASUNCION VALIENTE BERMEJO ; Reagent Selection in Austenitic Stainless Steel Solidification Modes Characterization, WJ 91-5(2012), p133-139
8. B. Vargas-Arista, A. Balvantin, A. Baltazar, F. García-Vázquez ; On the use of ultrasonic spectral analysis for the characterization of artificially degraded API 5L X52 steel pipeline welded joints, MSEA 550(2012), p227-234
10. Yao Liu, Wenhong Wang, Jijia Xie, Shouguang Sun, Liang Wang, Ye Qian, Yuan Meng, Yujie Wei ; Microstructure and mechanical properties of aluminum 5083 weldments by gas tungsten arc and gas metal arc welding, MSEA 549(2012), p7-13
11. Kyutae Han, Seunggab Hong, Changhee Lee ; The effect of the precipitates type on the thermal fatigue properties of 18% Cr ferritic stainless steel weld HAZ, MSEA 546(2012), p97-102
::: Brazing
2. Duocui Shi, Chengli Dong, Xiaoguang Yang, Lei Zhang, Jinbao Hou, Ying Liu : Experimental investigations on creep rupture strength and failure mechanism of vacuum brazed joints of a DS superalloy at elevated temperature, MSEA 545(2012), p162-167

::: Friction Stir Welding
14. Lei Cui, Xinqi Yang, Guang Zhou, Xiaodong Xu, Zhikang Shen; Characteristics of defects and tensile behaviors on friction stir welded AA6061-T4 T-joints, MSEA 543(2012), p58-68
18. M. Sarkari Khorrani, M. Kazeminezhad, A.H. Kokabi; Mechanical properties of severely plastic deformed aluminum sheets joined by friction stir welding, MSEA 543(2012), p243-248

::: Hybrid Laser Arc Welding


::: Laser Cladding

1. T. M. Yue, H. Xie, X. Lin, H. O. Yang; Eutectic Growth in Laser Cladding of Zr-Coating on AZ91D Magnesium Substrate, MT 53-6(2012), p1119-1123

::: Laser Welding

2. J. M. SÁNCHEZ-AMAYA, Z. BOUKHA, M. R. AMAYA-VÁZQUEZ, AND F. J. BOTANA; By controlling the experimental variables, butt joints were produced with higher penetration than previously reported for the conduction regime, WJ 91-5(2012), p155-161
3. Scherm, F. Bezold, J. Glatzel; U; Laser welding of Mg alloy MgABZn1 (AZ31) to Al alloy AlMg3 (AA5754) using ZnAl filler material, STWJ 17-5(2012), p364-367

::: Magnetic Pulse Welding


::: Reheating Crack

1. D. A. Metzler: Strain-Age Cracking Susceptibility of Ni-Based Superalloys as a Function of Strain Rate, Temperature, and Alloy Composition, WJ 91-6(2012), p163-168

::: Spot Welding

4. M. Pouranvari: Susceptibility to interfacial failure mode in similar and dissimilar resistance spot welds of DP600 dual phase steel and low carbon steel during cross-tension and tensile-shear loading conditions, MSEA 546(2012), p129-138

::: Sintering

2. D.P. Xiang, L. Ding, Y.Y. Li, J.B. Li, X.Q. Li, C. Li: Microstructure and mechanical properties of fine-grained W-7Ni-3Fe heavy alloy by spark plasma sintering, MSEA 551(2012), p95-99
3. Shuang Li, Yumin Zhang, Jiecai Han, Yufeng Zhou: Random chopped fibers in reaction bonded SiC composite: Morphology, etching and reinforcing properties, MSEA 551(2012), p104-109
5. MeiLin Gu, Hongjing Xu, Jianhua Zhang, Zhi Wei, Anping Xu: Influence of hot pressing sintering temperature and time on microstructure and mechanical properties of TiB2/TiN tool
material, MSEA 545(2012), p1-5
7. Haixai Qu, Shigen Zhu, Qian Li, Chenxin Ouyang; Microstructure and mechanical properties of hot-pressing sintered WC-x vol.%Al2O3 composites, MSEA 543(2012), p96-103

::: Soldering

1. Huei-Sen Wang, Ken-Do Hsu, Mei-Hui Wu, Yan-Zong Su; A Comparison of Corrosion Behavior of a Super Duplex Stainless Steel and an Austenitic Stainless Steel in a Molten Sn-3.0Ag-0.5Cu Lead-Free Solder, MT 53-6(2012), p1148-1153
4. Dhafer Abdul-Ameer Shawah, Suhana Binti Mohd Said, Mohd Faizul Mohd Satri, Irfan Anjum Badruddin, Fa Xing Che; Microstructure, mechanical, and thermal properties of the Sn-1Ag-0.5Cu solder alloy bearing Fe for electronics applications, MSEA 551(2012), p160-168
5. A.R. Geranmayeh, G. Nayyeri, R. Mahmudi; Microstructure and impression creep behavior of lead-free Sn-5Sb solder alloy containing Bi and Ag, MSEA 547(2012), p110-119

::: TLP Bonding